

**To:** Petri, Elliott[Elliott.Petri@WestonSolutions.com]; Matt Francis[m.francis@erllc.com]; Way, Steven[way.steven@epa.gov]; Griswold, Hays[Griswold.Hays@epa.gov]  
**Cc:** Christoph Goss[christoph.goss@deereault.com]  
**From:** Christoph Goss  
**Sent:** Wed 9/30/2015 7:26:09 PM  
**Subject:** RE: GKM - Adit Roof, Man Hole, Tie into Goff data

Hi Everyone

I just wanted to close out this issue. This morning Elliot gave me an elevation of the top of the first timber by the far brow (11448.8). Based on that the far brow elevation is approximately 11449.5, which agrees with our current drawings. Assuming an 8' long timber with a footer and some wedges, the hard adit floor should be around 11439, perhaps a bit lower in the center of the floor (flow line). Again, this agrees with our current drawings.

For your records, please note that based on the survey by San Juan County of the Goff east control point, the elevation difference between the two coordinate systems is 61.79ft (Goff being higher).

Christoph

**From:** Christoph Goss  
**Sent:** Tuesday, September 29, 2015 9:15 PM  
**To:** 'Petri, Elliott' <Elliott.Petri@WestonSolutions.com>; Matt Francis <m.francis@erllc.com>; Way, Steven (way.steven@epa.gov) <way.steven@epa.gov>  
**Subject:** RE: GKM - Adit Roof, Man Hole, Tie into Goff data

Hi Elliot

Thanks for the data. The manhole elevation makes sense. Can you please send me the northing

and easting for it?

The brow elevation does not make as much sense. Our estimate was closer to 11449. The current elevation of the floor at the portal entrance (where Harrison Western placed the fill) is 11445.5. The elevation below would put the brow 2' lower. Assuming an adit height of 8-10', this would put the hard bottom between elevations 11433.8 and 11435.8. If true, that could cause some problems with your pipe and manhole (11433 assuming 5' below top of manhole).

Given the importance of this elevation, I would like to check it with you tomorrow. I have a conference call at 9. Could you please meet me on site right afterwards?

Thanks!

Christoph

**From:** Petri, Elliott [<mailto:Elliott.Petri@WestonSolutions.com>]  
**Sent:** Tuesday, September 29, 2015 6:45 PM  
**To:** Matt Francis <[m.francis@erllc.com](mailto:m.francis@erllc.com)>; Way, Steven ([way.steven@epa.gov](mailto:way.steven@epa.gov)) <[way.steven@epa.gov](mailto:way.steven@epa.gov)>; Christoph Goss <[christoph.goss@deereault.com](mailto:christoph.goss@deereault.com)>  
**Subject:** GKM - Adit Roof, Man Hole, Tie into Goff data

Hi Christoph,

Here is the data for the adit, it is an estimate as the adit roof varied across it. The elevations are using the Goff Base Point as a back site.

Point	Elevation
Goff Tie In at East End of Dump	11439.86
Brow	11443.79
Manhole Surface Elevation	11438.09

Thanks,

Elliott

## Elliott Petri, PE

Weston Solutions, Inc.

1435 Garrison St, Ste 100

Lakewood, CO 80215

Ph: 303-729-6156

Cell: 719-216-2754

Fax: 303-729-6101

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